

PRODUCT DATASHEET

LN INDV D S 1500 48 W 4000 K

LINEAR IndiviLED® DIRECT SENSOR | Surface mounted luminaire for single luminaire or light line application with sensor function



Areas of application

- Direct replacement for luminaires with fluorescent lamps
- Offices, schools
- General indoor illumination
- Corridors, entrance areas
- Seamless linear lighting
- Shop lighting

PERFOR-
MANCE
CLASS

Product benefits

- Homogenous light distribution and reduced glare thanks to the IndiviLED® optics
- Allows for energy savings and comfortable operation due to sensor control
- Multiple mounting options
- Low flicker light thanks to special electronic control gear
- Energy savings of up to 50 % compared to T5 batten luminaires
- Further variants with DALI ECG, emergency lighting function according to IEC 60598-2-22 or through wiring additionally available
- Robust structure with IK06
- 5 years guarantee

Product features



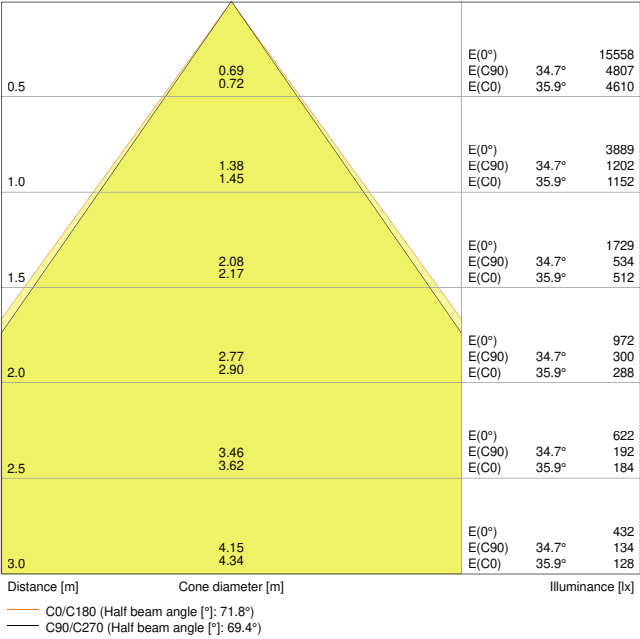
- Each LED with individual lens and reflector for UGR < 16 and homogenous light distribution
- Motion sensor (microwave technology) with adjustable detection parameters
- Pendant mounting with suspension kit
- Linkable to an esthetic seamless light line with line connection adapter (surface or pendant mounting)
- Available with length of 1200 or 1500 mm
- Luminous flux up to 5700 lm
- Luminous efficacy: up to 125 lm/W
- Initial color consistency: < 4 SDCM
- Glow Wire Test according to IEC 60695-2-12: 850 °C

TECHNICAL DATA**Electrical data**

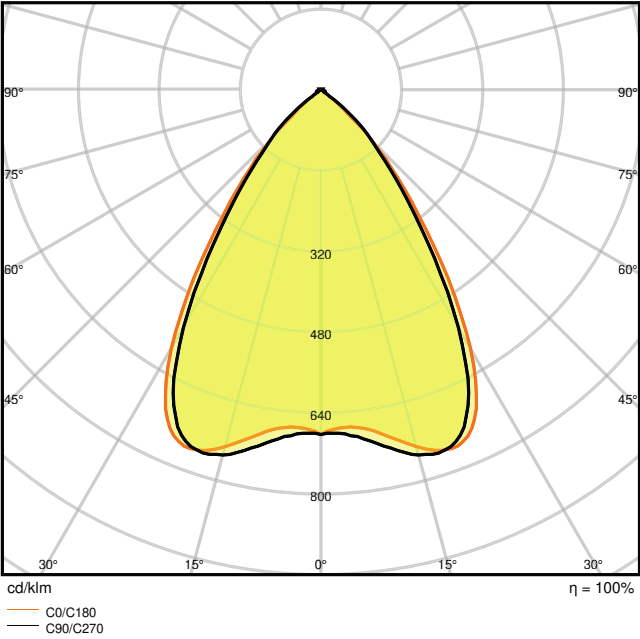
Nominal wattage	48.00 W
Nominal voltage	220...240 V
Mains frequency	50...60 Hz
Nominal current	280 mA
Inrush current	10 A
Inrush current time T_{h50}	200 μ s
Max. number of luminaires per miniature circuit breaker B16	7
Max. number of luminaires per miniature circuit breaker C10	7
Max. number of luminaires per miniature circuit breaker C16	12
Power factor λ	> 0.90
Total harmonic distortion	< 18 %
Protection class	I
Operating mode	Integrated LED driver

Photometrical data

Luminous flux	5700 lm
Luminous efficacy	120 lm/W
Color temperature	4000 K
Light color (designation)	Cool White
Color rendering index Ra	≥ 80
Standard deviation of color matching	3 sdcm
Low flicker	Yes
Photobiological safety group acc. to EN62778	RG1
Photobiological safety group acc. to EN62471	RG0
Beam angle	70 °
UGR	< 16



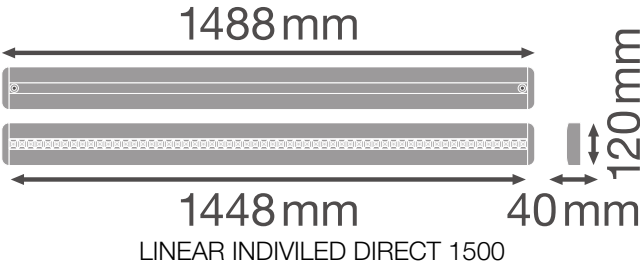
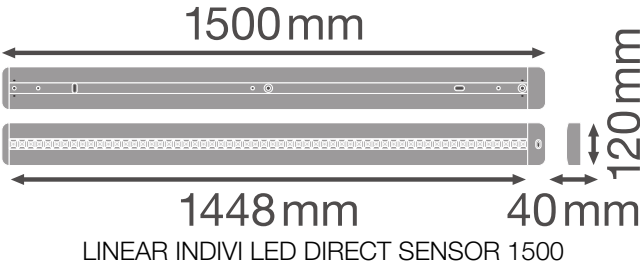
LN INDV D 1500 48W 4000K S



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Dimensions & Weight

Length	1518.00 mm
Width	120.00 mm
Height	40.00 mm
Product weight	3200.00 g



Materials & Colors

Product color	White
Housing color	White

Body material	Aluminum
Cover material	Aluminum
Light emitting surface material	Polycarbonate (PC)
Glow Wire Test according to IEC 60695-2-12	650 °C
Mercury content	0.0 mg

Application & Mounting

Ambient temperature range	-20...+45 °C
Type of connection	Screwless terminal
Type of protection	IP20
Protection class IK (shock resistance)	IK06
Dimmable	No
Mounting type	Suspended/Surface
Mounting location	Ceiling
Application environment	Indoor
Replaceable light source	No

Lifespan

Lifespan L70/B50 at 25 °C	60000 h ¹⁾
Lifespan L80/B10 at 25 °C	50000 h ¹⁾
Lifespan L80/B50 at 25 °C	50000 h
Lifespan L90/B10 at 25 °C	35000 h
Number of switching cycles	100000

¹⁾ t[h]: L70 / B50 @ 25 °C (Ta), t[h]: L80 / B10 @ 25 °C (Ta), t[h]: L90 / B10 @ 25 °C (Ta)

Sensor

Type of sensor	Motion / Light
Sensor technology	Microwave
Sensor detection angle	110 °
Sensor controlled switching time	5 s/1 min/3 min/10 min
Detection range of motion sensor	8 m
Detection threshold of daylight sensor	25 lx
Sensor IP rating	IP20

Certificates & Standards

Standards	CE / CB / TÜV SÜD / EAC / RoHS
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Ball shot safe	No
Replaceable light source (EPREL)	Not replaceable

EQUIPMENT / ACCESSORIES

- Ceiling connection box available
- Suspension kit available
- Line connection adapter available
- Through-wiring cable kit available

DOWNLOAD DATA

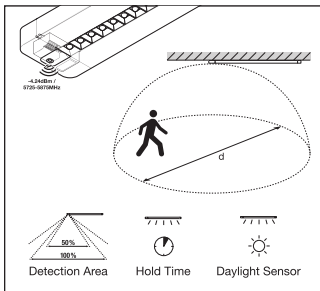
Documents and certificates		Document name
	User instruction / safety instructions	UI Linear IndiviLED Sensor
	On-Pack-Info	Legal Insert Linear
	Declarations of conformity	CE Declaration Linear IndiviLED sensor LEDV
Photometric and lighting design files		Document name
	IES file (IES)	LN INDV D 1500 48W 4000K S
	LDT file (Eulumdat)	LN INDV D 1500 48W 4000K S
	ULD file (DIALux)	LINEARIndiviLEDDIRECTSENSOR150048W4000KS
	UGR file (UGR table)	LN INDV D 1500 48W 4000K S
	Light distribution curve type cone	LN INDV D 1500 48W 4000K S
	Light distribution curve type polar	LN INDV D 1500 48W 4000K S

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075109407	Folding box 1	132 mm x 1,624 mm x 52 mm	3542.00 g	11.15 dm ³
4058075109414	Shipping box 4	1,641 mm x 207 mm x 169 mm	15298.00 g	57.41 dm ³

The mentioned product code describes the smallest quantity unit which can be ordered. One shipping unit can contain one or more single products. When placing an order, for the quantity please enter single or multiples of a shipping unit.

ADDITIONAL CATALOG INFORMATION



References / Links

– For Guarantee see www.ledvance.com/guarantee

DISCLAIMER

Subject to change without notice. Errors and omission excepted. Always make sure to use the most recent release.